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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

rst Named

Inventor : Clark E. Smith et al.

Appln. No.: 10/804,402

Filed : Marc

: March 18, 2004

Group Art Unit:

For

BATTERY CHARGER WITH AUTOMATIC CUSTOMER NOTIFICATION SYSTEM Examiner:

Docket No.: C382.12-0180

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING SENT BY U.S. MAIL, FIRST CLASS, TO THE COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, THIS

10 DAY OF JUNE

20<u>04</u>.

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

METHOD OF PAYMENT

<u>X</u>	$_{ extsf{N}}$ O fee i	s r	eqı	uired.					
	Attached	is	a	check	in	the	amount	of	\$

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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AGR:tkj

FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
OTTE STOCKE STATEMENT	Clark E. Smith et a	11.
JUH 1 1 2004 E	Filing Date	Group Art:
JUN 1 1 2004 SE	March 18, 2004	

Examiner Initial	Document No.	Date Name		Class	Sub Class	Filing Date If Appropriate
AA	2,514,745	7/11/50	Dalzell	171	95	
AB	3,593,099	7/13/71	Scholl	320	13	
AC	3,607,673	9/21/71	Seyl	204	1	
AD	3,676,770	7/11/72	Sharaf et al.	324	29.5	
AE	3,729,989	5/1/73	Little	73	133	
AF	3,753,094	8/14/73	Furuishi et al.	324	29.5	
AG	3,808,522	4/30/74	Sharaf	324	29.5	
АН	3,811,089	5/14/74	Strezelewicz	324	170	
AI	3,873,911	3/25/75	Champlin	324	29.5	
AJ	3,886,443	5/27/75	Miyakawa et al.	324	29.5	
AK	3,889,248	6/10/75	Ritter	340	249	
AL	3,906,329	9/16/75	Bader	320	44	

FOREIGN PATENT DOCUMENTS

	Document No.	Date Country		Class	Sub Class	Translation Yes No		
AM	59-17892	1/30/84	Japan			Abstract Only		
AN	59-17893	1/30/84	Japan			Abstract Only		
AO	59-17894	1/30/84	Japan			Abstract Only		
	OTHER ART (Includ	ing Author,	Title, Date, Pertine	nt Pages	, Etc.)			
AP			ectroscopy in Battery 1 1997, pgs. 59 and 6		ment and	Testing",		
AQ	"Battery Impedance 1959, pgs. 922-925		llihnganz et al., Ele	ctrical E	Engineeri	ing, September		
AR	AR "Determining The End of Battery Life", by S. DeBardelaben, <u>IEEE</u> , 1986, pgs. 365-368.							
AS	"A Look at the Imp 397.	edance of a	Cell", by S. Debarde	laben, <u>I</u>	EEE, 1988	3, pgs. 394-		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED:

EXAMINER:

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FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402			
PATENTS AND PUBLICATIONS FOR STATEMENT	Applicant:				
10H 1 F 1004 F	Clark E. Smith et a	al.			
JUN TRADEMAN	Filing Date	Group Art:			
TRADEMAT	March 18, 2004				

Examiner Initial	l f		Name	Class	Sub Class	Filing Date If Appropriate
AT	3,909,708	9/30/75	Champlin	324	29.5	
AU	3,936,744	2/3/76	Perlmutter	324	158	
AV	3,946,299	3/23/76	Christianson et al.	320	43	
AW	3,947,757	3/30/76	Grube et al.	324	28	
AX	3,969,667	7/13/76	McWilliams	324	29.5	
AY	3,979,664	9/7/76	Harris	324	17 29.5	
AZ	3,984,762	10/5/76	Dowgiallo, Jr.	324		
BA	3,984,768	10/5/76	Staples	324	62	
ВВ	4,008,619	2/22/77	Alcaide et al.	73	398	
ВС	4,053,824	10/11/77	Dupuis et al.	324	29.5	
BD	BD 4,070,624 1/24/78		Taylor	327	158	
BE	4,086,531	4/25/78	Bernier	324	158	

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	Document No.	ocument No. Date Country		Class	Sub Class	Translation Yes No
BF	60225078	11/9/85	Japan			Abstract Only
BG	04372536 .	12/25/92	Japan			Abstract Only
ВН	04131779	5/6/92	Japan .			Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BI	"The Impedance of Electrical Storage Cells", by N.A. Hampson et al., <u>Journal of Applied Electrochemistry</u> , 1980, pgs. 3-11.
 BJ	"A Package for Impedance/Admittance Data Analysis", by B. Boukamp, Solid State Ionics, 1986, pgs. 136-140.
BK	"Precision of Impedance Spectroscopy Estimates of Bulk, Reaction Rate, and Diffusion Parameters", by J. Macdonald et al., <u>J. Electroanal, Chem.</u> , 1991, pgs. 1-11.

EXAMINER:

DATE CONSIDERED:

		JHEEC 3 OF 21
FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Clark E. Smith et al.	
	Filing Date	Group Art:
	March 18, 2004	

Examiner Initial	Document No. Date		Name	Class	Sub Class	Filing Date If Appropriate
BL	BL 4,112,351 9/5/78		Back et al.	324	16	
ВМ	4,114,083	9/12/78	Benham et al.	320	39	
BN	4,126,874	11/21/78	Suzuki et al.	354	60	
ВО	4,178,546	12/11/79	Hulls et al.	324	158	
ВР	4,193,025	3/11/80	Frailing et al.	324	427	
BQ	4,207,611	6/10/80	Gordon	364	580	
BR	4,315,204	2/9/82	Sievers et al.	322	28	
BS	4,316,185	2/16/82	Watrous et al.	340	636	
ВТ	4,322,685	3/30/82	Frailing et al.	324	429	
BU	4,363,407	12/14/82	Barkler et al.	209	3.3	
. BV	4,369,407	1/18/83	Korbell	324	416	·
BW	4,412,169	10/25/83	Dell'Orto	320	64	

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
вх	03282276	12/12/91	Japan			Abstract Only
ВҮ	03274479	12/5/91	Japan			Abstract Only
BZ	5216550	8/27/93	Japan			Abstract Only
CA	59017894	1/30/84	Japan			Abstract Only

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CB "Internal Resistance: Harbinger of Capacity Loss in Starved Electrolyte Sealed Lead Acid Batteries, by Vaccaro, F.J. et al., AT&T Bell Laboratories, 1987 IEEE, Ch. 2477, pp. 128,131.

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FORM PTO	0-14	49					Att C38	y. Do	cket 0180	No.:	Serial No.: 10/804,402
	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT						Applicant:				
							Cla	rk E.	Smit	ch et al.	
		•					Fil	ing D	ate		Group Art:
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C	C	4,390,828	6/28/	33	Conve	rse et al.		32	0	32	
С	:D	4,392,101	7/5/8	3	Saar	et al.		32	0	20	
C	Œ	4,396,880	8/2/8	3	Winde	bank		32	0	21	. ·
С	F	4,408,157	10/4/	33	Beaub	ien		32	4	62	
C	:G	4,423,378	12/27	/83	Marin	o et al.		32	4	427	
C	H	4,423,379	12/27	/83	Jacob	Jacobs et al.		32	4	429	
С	ΞI	4,424,491	1/3/8	4	Bobbe	tt et al.		324		433	
C	J	4,459,548	7/10/	3 4	Lentz	et al.	324		4	158	
C	K	4,514,694	4/30/	35	Finge	Finger		32	4	429	
C	L	4,520,353	5/28/	35	McAuliffe		340		636		
C	CM	4,667,279	5/19/	37	Maier			363		46	
C	CN	4,678,998	7/7/8	7 -	Muramatsu			324		427	
C	:0	4,679,000	7/7/8	7 -	Clark	-		324		428	
С	P	4,697,134	9/29/			m et al.		32	0	48	·
	T			FO	REIGN	PATENT DOCUMENT	rs				
		Document 1	No.	D	ate	Country		(Class	Sub Class	Translation Yes No
C	CQ	EP 0 772 056	A1	5/7/	/97 .	EPO					Х
С	CR	EP 0 637 754	A1	2/8/	/95	EPO					X
c	CS 2 088 159 A 6/3/8					Great Britain					Х
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							s, Etc.)				
C	T.	IEEE Recommended Practice For Maintenance, Testings, and Replacement of Large Lead Storage Batteries for Generating Stations and Substations, The Institute Electrical and Electronics Engineers, Inc., ANSI/IEEE Std. 450-1987, 3/9/1987, pp. 7-15.							e Institute of		
C	ט:	Lead Acid Ba	tteries	s: Pa	rt I C	to Assess the onductance/Capa 92, pgs. 218-23	acity				

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		onecc 5 of 21
FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Clark E. Smith et al.	
	Filing Date	Group Art:
	March 18, 2004	

Examiner Initial	Document No.	Dat	:e		Name	Class	Sub Class	Filing Date If Appropriate
CV	4,707,795	11/17	/87	Alber	et al.	364	550	
CW	4,709,202	11/24	/87	Koenc	k et al.	320	43	
CX	4,710,861	12/1/	87	Kanne	<u></u> r	363	46	
CY	4,719,428	1/12/	88	Liebe	rmann	324	436	
CZ	4,743,855	5/10/	88	Randi	n et al.	324	430	
DA	4,816,768	3/28/	89	Champ	lin	324	428	
DB	4,820,966	4/11/	89	Fridm	an	320	32	
DC	4,825,170	4/25/	89	Champ	lin	324	436	
DD	4,849,700	7/18/	7/18/89		Morioka et al.		427	
DE	4,881,038	11/14	11/14/89		Champlin		426	
DF -	4,912,416	3/27/	3/27/90		lin	324	430	
DG	4,929,931	5/29/	5/29/90 M		McCuen		636	
DH	4,931,738	6/5/9	0	MacIntyre et al.		324	435	
DI	4,947,124	8/7/9	0	Hause	r	324	430	
DJ	4,956,597	9/11/	90	Heave	y et al.	320	14	
DK	4,968,941	11/6/	90	Rogers		324	428	
		•	FOI	REIGN	PATENT DOCUMENTS			
	Document	No.	Da	ate	Country	Clas	Sub Class	Translation Yes No
DL	WO 93/22666	···	11/1	1/93	WIPO			Х
DM	WO 98/58270		12/2		WIPO			Х .
	OTHER ART	(Includ	ing Au	ithor,	Title, Date, Pert	inent Pag	es, Etc.)	
DN	"Battery Imp 1959, pgs. 9			E. Wi	llihnganz et al., <u>l</u>	Electrica	l Engineer	ing, September
DO	"JIS Japanes Standards As	se Indu	strial ion UI	Stand DC, 62	dard-Lead Acid Batt 1.355.2:629.113.00	teries for 6, Nov. 19	r Automobi 995.	les", <u>Japanese</u>

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Examiner Initial	Document No.	Dat	:e		Name	Cl	.ass	Sub Class	Filing Date If Appropriate
DP	5,004,979	4/2/9	1	Marin	o et al.	3	324	160	
DQ	5,032,825	7/16/	91	Xuzni	cki	3	40	636	
DR	5,047,722	9/10/	91	Wurst	et al.	3	324	430	-
DS	5,087,881	2/11/	92	Peaco	ck	3	24	378	-
DT	5,126,675	6/30/	92	Yang		3	24	435	
DÜ	5,140,269	8/18/	92	Champ	lin	3	24	433	
. DV	5,144,248	9/1/9	2	Alexa	ndres et al.	3	24	428	
DW	5,170,124	12/8/	92	Blair	et al.	3	24	434	
DX	5,204,611	4/20/	4/20/93		Nor et al.		20	21	
DY	5,214,370	5/25/	93	Harm et al.		3	20	35	
DZ	5,214,385	5/25/	93	Gabriel et al.		3	24	434	
EA	5,241,275	8/31/	93	Fang		3	24	430	
EB	5,254,952	10/19	/93	Salley et al.		3	24	429	-
EC	5,281,919	1/25/	94	Palanisamy		3	24	427	
ED	5,281,920	1/25/	94	Wurst		3	24	430	
EE	5,295,078	3/15/	94	Stich	et al.	3	64	483	
EF	5,298,797	3/29/	94	Redl		3	07	246	
EG	5,300,874	4/5/9	94 Shimar		Shimamoto et al.		20	15	
EH	5,302,902	4/12/	94	Groeh	1	3	24	434	
			FOR	REIGN	PATENT DOCUMENTS			1	· · · · · · · · · · · · · · · · · · ·
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·	Clark E. Smith et al.	
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	March 18, 2004	

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
EK	5,331,268	7/19/94	Patino et al.	320	20	
EL	5,336,993	8/9/94	Thomas et al.	324	158.1	
EM	5,352,968	10/4/94	Reni et al.	320	.35	
EN	5,343,380	8/30/94	Champlin	363	46	
EO	5,365,160	11/15/94	Leppo et al.	320	22	
EP	5,365,453	11/15/94	Startup et al.	364	481	
EQ	5,381,096	1/10/95	Hirzel	324	427	
ER	5,426,371	6/20/95	Salley et al.	324	429	
ES	5,432,426	7/11/95	Yoshida	320	20	
ET	5,434,495	7/18/95	Toko	320	44	
EU	5,442,274	8/15/95	Tamai	320	23	
EV	5,457,377	10/10/95	Jonsson	320	5	
EW	5,449,996	9/12/95	Matsumoto et al.	320	20	, , , ,
EX	5,449,997	9/12/95	Gilmore et al.	320	39	
EY	5,485,090	1/16/96	Stephens	324	433	
EZ	5,519,383	5/21/96	De La Rosa	340	636	
FA	5,528,148	6/18/96	Rogers	324	426	
FB	5,550,485	8/27/96	Falk	324	772	
FC	5,561,380	10/1/96	Sway-Tin et al.	324	509	
		F	DREIGN PATENT DOCUMENTS		·	

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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	Clark E. Smith et a	1.
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	March 18, 2004	

5,562,501 5,572,136 5,574,355	10/8/96	Kinoshita et al.	439	1	
	11/5/96			852	
5,574,355	1 = -, 0, 00	Champlin	324	426	
0,0,1,000	11/12/96	McShane et al.	320	39	
5,585,728	12/17/96	Champlin	324	427	
5,592,093	1/7/97	Klingbiel	324	426	
5,596,260	1/21/97	Moravec et al.	320	30	
5,598,098	1/28/97	Champlin	324	430	
5,602,462	2/11/97	Stich et al.	323	258	
5,606,242	2/25/97	Hull et al.	320	48	
5,621,298	4/15/97	Harvey	320	5	
5,642,031	6/24/97	Brotto	320	21	
5,650,937	7/22/97	Bounaga	364	483	
5,652,501	7/29/97	McClure et al.	320	17	
5,675,234	10/7/97	Greene	320	15	
5,677,077	10/14/97	Faulk	429	90	
5,699,050	12/16/97	Kanazawa	340	636	
5,701,089	12/23/97	Perkins	327	772	
5,717,336	2/10/98	Basell et al.	324	430	
5,757,192	5/26/98	McShane et al.	324	427	
	F	DREIGN PATENT DOCUMENT	S		
	5,592,093 5,596,260 5,598,098 5,602,462 5,606,242 5,621,298 5,642,031 5,650,937 5,652,501 5,675,234 5,677,077 5,699,050 5,701,089 5,717,336	5,592,093 1/7/97 5,596,260 1/21/97 5,598,098 1/28/97 5,602,462 2/11/97 5,606,242 2/25/97 5,621,298 4/15/97 5,652,031 6/24/97 5,652,501 7/29/97 5,675,234 10/7/97 5,699,050 12/16/97 5,701,089 12/23/97 5,757,192 5/26/98	5,592,093 1/7/97 Klingbiel 5,596,260 1/21/97 Moravec et al. 5,598,098 1/28/97 Champlin 5,602,462 2/11/97 Stich et al. 5,606,242 2/25/97 Hull et al. 5,621,298 4/15/97 Brotto 5,642,031 6/24/97 Brotto 5,650,937 7/22/97 Bounaga 5,652,501 7/29/97 McClure et al. 5,675,234 10/7/97 Greene 5,677,077 10/14/97 Faulk 5,699,050 12/16/97 Kanazawa 5,701,089 12/23/97 Perkins 5,717,336 2/10/98 Basell et al. 5,757,192 5/26/98 McShane et al.	5,592,093 1/7/97 Klingbiel 324 5,596,260 1/21/97 Moravec et al. 320 5,598,098 1/28/97 Champlin 324 5,602,462 2/11/97 Stich et al. 323 5,606,242 2/25/97 Hull et al. 320 5,621,298 4/15/97 Harvey 320 5,642,031 6/24/97 Brotto 320 5,650,937 7/22/97 Bounaga 364 5,652,501 7/29/97 McClure et al. 320 5,675,234 10/7/97 Greene 320 5,677,077 10/14/97 Faulk 429 5,699,050 12/16/97 Kanazawa 340 5,717,336 2/10/98 Basell et al. 324	5,592,093 1/7/97 Klingbiel 324 426 5,596,260 1/21/97 Moravec et al. 320 30 5,598,098 1/28/97 Champlin 324 430 5,602,462 2/11/97 Stich et al. 323 258 5,606,242 2/25/97 Hull et al. 320 48 5,621,298 4/15/97 Harvey 320 5 5,642,031 6/24/97 Brotto 320 21 5,650,937 7/22/97 Bounaga 364 483 5,652,501 7/29/97 McClure et al. 320 17 5,675,234 10/7/97 Greene 320 15 5,677,077 10/14/97 Faulk 429 90 5,699,050 12/16/97 Kanazawa 340 636 5,701,089 12/23/97 Perkins 327 772 5,717,336 2/10/98 Basell et al. 324 430 5,757,192 5/26/98 McShane et al. 324 427

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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	Clark E. Smith et al.	
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Examiner Initial	Document No.	Dat	:e		Name	Class	Sub Class	Filing Date If Appropriate
GA	5,773,978	6/30/	98	Becke	r	324	430	
GB	5,789,899	8/4/9	8	van P	huoc et al.	320	30	
GC	5,793,359	8/11/	98	Ushik	ubo	345	169	
GD	5,821,756	10/13	/98	McSha	ne et al.	324	430	
GE	5,831,435	11/3/	98	Troy		324	426	
GF	5,872,443	2/16/	99	Willi	amson	320	21	
GG	5,914,605	6/22/	99	Bertn	ess	324	430	
GH	5,945,829	8/31/	99	Bertn	ess	324	430	
GI	3,356,936	12/5/	67	Smith		324	29.5	
GJ	5,488,300	1/30/	1/30/96		Jamieson		432	
GK	6,002,238	12/14	12/14/99		Champlin		134	
GL	6,037,777	3/14/	3/14/00		Champlin		430	
GM	6,051,976	4/18/	4/18/00		Bertness		426	
GN	6,081,098	6/27/	00	Bertness et al.		320	134	
GO	6,091,245	7/18/	00	Bertness		324	426	
GP	6,104,167	8/15/	00	Bertn	ess et al.	320	132	
GQ	6,137,269	10/24	/00	Champ	lin	320	150	
			FO	REIGN	PATENT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·	·	
	Document	No.	Di	ate	Country	Class	Sub Class	Translation Yes No
GR	DE 29 26 71	6 B1 ,	1/15	/81	Germany		_	Х
GS	0 022 450 A				EPO			Х
	OTHER ART	(Includ	ing A	uthor,	Title, Date, Pert	inent Page	es, Etc.)	,
GT	"Performance April 18-20,	of Dr 1912,	y Cel pape	ls", b	y C. Hambuechen, P 19, pgs. 1-5.	reprint of	Am. Elec	trochem. Soc.,
GÜ	"A Bridge fo Electrochemi	or Meas	uring ciety	Stora,	ge Battery Resista rint 79-20, April	nce", by E 1941, pgs.	253-258.	canz, The

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FORM I	PTO-14	49						y. Docket 2.12-0180		Serial No.: 10/804,402
		_					App	licant:		
	ΓI	ST OF PATENTS APPLICAN				5 FOR				
			SURE ST							
							Cla	rk E. Smi	th et al.	
							Fil	ing Date		Group Art:
							March 18, 2004			
			1][J.S. PF	ATENT DOCUMENTS				
Exam: Init		Document No.	Dat	е		Name		Class	Sub Class	Filing Date If Appropriate
	GV	3,562,634	2/9/7	1 .	Latne	r		31	04	
	GW	4,379,990	4/12/	83	Sieve	rs et al.		322	99	•
	GX	5,144,218	9/1/9:	2	Bossc	ha	,	320	44	
	GY	5,315,287	5/24/	94	Sol			340	455	
·	GZ	5,469,043	11/21	/95	Chern	g et al.		320	31	
	HA	5,546,317	8/13/	96	Andri	eu		364	481	
	нв	5,583,416	12/10	12/10/96 Klang				320	22	
	НC	5,589,757	12/31	/96	Klang			320	22	
	НD	5,656,920	8/12/	97	Chern	g et al.		320	31	
	HE	5,710,503	1/20/	1/20/98 Sideris et al.			320	6		
	HF	5,760,587	6/2/9	3	Harve	У		324	434	
	НG	5,808,469	9/15/	98	Koper	a		324	43.4	
	нн	6,008,652	12/28	/99	Theof	anopoulos et al	١.	324	434	
	HI	6,009,369	12/28	/99	Boisv	ert et al.		701	99	
	НJ	6,031,354	2/29/0	00	Wiley	et al.		320	116	
	НĶ	6,037,751	3/14/0	00	Klang			320	160	
	HL	6,072,299	6/6/0)	Kurie	et al.		320	112	
	НМ	6,094,033	7/25/0	00	Ding	et al.		320	132	
	HN	6,163,156	12/19,	/00	Bertn	ess		324	426	
	НО	6,172,483	1/9/0	1.	Champ	lin		320	134	
	НP	6,172,505	1/9/0:	1	Bertn	ess		324	430	
				FO	REIGN	PATENT DOCUMENT	ľS			
		Document	No.	D	ate	Country		Class	Sub Class	Translation Yes No
	НQ	2 749 397		12/5	5/97	France				Х
	HR	59215674		12/5	5/84 .	Japan	<u>.</u>			Abstract Only
<u> </u>	<u>l</u>	OTHER ART (Includ	ing A	uthor,	Title, Date, E	Pert	inent Page	es, Etc.)	
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FORM PTO-1	449					At	ty. Docket	No.:	heet 11 of 21 Serial No.:
						C3	82.12-0180 		10/804,402
L	IST OF PATENT APPLICAN DISCLO		ORMATION		FOR	Applicant:			
	•					Clark E. Smith et al.			
						Filing Date			Group Art:
						Ma	rch 18, 20	04	
		1	U.S.	PA	TENT DOCUMENTS		1		
Examiner Initial	Document No.	Date			Name		Class	Sub Class	Filing Date If Appropriate
нт	3,989,544	11/2/7	6 Sar	nto			429	65	
HU	4,745,349	5/17/8	8 Pai	Lan	isamy et al.		320	22	
HV	4,876,495	10/24/	89 Pa	lan:	isamy et al.		320	18	
HW	4,937,528	6/26/9	O Pai	Lan:	isamy		324	430	
НХ	4,968,942	11/6/9	0 Pa	Lan	isamy		324	430	
HY	5,179,335	1/12/9	3 No	Nor			320	21	
HZ	5,266,880	11/30/	93 Nev	Newland			320	14	
IA	5,451,881	9/19/9	19/95 Finger		r		324	433	
IB	5,705,929	1/6/98	/6/98 Caravello et al.			324	430		
IC	5,717,937	2/10/9	2/10/98 Fritz				395	750.01	
ID	5,862,515	1/19/9	9 Kol	oaya	ashi et al.		702	63	
IE	5,895,440	4/20/9	9 Pro	octo	or et al.		702	63	
IF	5,929,609	7/27/9	9 Joy	y e	t al.		322	25	
IG	6,072,300	6/6/00	Tsı	ıji			320	116	
IH	4,659,977	4/21/8	7 Kis	sse.	l et al.		320	64	
II	4,913,116	4/3/90	Kat	.og:	i et al.		123	425	
IJ	5,160,881	11/3/9	2 Sch	nrai	mm et al.		322	7	
IK	5,338,515	8/16/9	4 Dal	lla	Betta et al.		422	95	
IL	5,537,967	7/23/9	6 Tas	shi	ro et al.		123	792.1	
IM	5,548,273	8/20/9	6 Nic	col	et al.		340	439	
IN	5,747,909	5/5/98	Syv	er:	son et al.		310	156	
			FOREI	GN I	PATENT DOCUMENT	'S			
	Document	No.	Date		Country		Class	Sub Class	Translation Yes No
IO	62-180284		8/7/87		Japan				Abstract
IP	7-128414		5/19/95		Japan			-	Abstract
L	OTHER ART	(Includi	ng Autho	or,	Title, Date, P	ert	inent Page	es, Etc.)	•
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DATE CONSIDERED: EXAMINER:

FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Clark E. Smith et al.	
	Filing Date	Group Art:
	March 18, 2004	,

U.S. PATENT DOCUMENTS								
Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate		
IR	6,114,834	9/5/00	Parise	320	109			
IS	6,150,793	11/21/00	Lesesky et al.	320	104			
IT	3,876,931	4/8/75	Godshalk	324	29.5			
IU	5,347,163	9/13/94	Yoshimura	307	66			
IV	5,939,861	8/17/99	Joko et al.					
IW	5,339,018	8/16/94	Brokaw	320	35			
IX	5,412,323	5/2/95	Kato et al.	324	429			
IY	5,426,416	6/20/95	Jefferies et al.	340	664			
IZ	5,825,174	10/20/98	Parker	324	106			
JA	5,939,855	8/17/99	Proctor et al.	320	104			
JB	5,254,952	10/19/93	Salley et al.	324	429			
JC ·	4,217,645	8/12/80	Barry et al.	364	483	_		
JD	4,633,418	12/30/86	Bishop	364	554			
JE	5,321,626	6/14/94	Palladino	364	483			
JF	5,969,625	10/19/99	Russo	340	636			
JG	6,222,369	4/24/01	Champlin	324	430			
JH	6,225,808	5/1/01	Varghese et al.	324	426			
JI	6,249,124	6/19/01	Bertness	324	426			
JJ	6,259,254	7/10/01	Klang	324	427			
JK	6,262,563	7/17/01	Champlin	320	134			
JL	6,294,896	9/25/01	Champlin	320	134			
JM	6,294,897	9/25/01	Champlin	320	153			

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
JN	4-8636	1/13/92	Japan			X (Abstract)
JO	63027776	2/5/88	Japan			Abstract Only

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i.							Clark E. Smith et al.			
							Fil	Filing Date Group Art:		
							Mar	ch 18, 20	04	
U.S. PATENT DOCUMENTS										
Exam: Init		Document No.	Dat	e		Name		Class	Sub Class	Filing Date If Appropriate
-	JP	4,379,989	4/12/	83	Kurz	et al.		320	26	
	JQ	4,680,528	7/14/	87	Mikam	i et al.		320	32 ·	
	JR ·	5,633,985	5/27/	97	Sever	son et al.		395	2.76	
	JS	5,739,667	4/14/	98	Matsu	da et al.		320	5	
	JT	4,024,953	5/197	7	Nailo	r, III		206	344	
	JU	6,250,973	6/200	1	Lower	y et al.		439	763	
	JV	6,254,438	7/200	7/2001 Gaunt				439	755	
	JW	6,304,087	10/16/01 Bertness		ess		324	426		
	JX	6,310,481	10/30	/01	Berte	ss		324	430	
	JY	6,313,607	11/6/	11/6/01 Champlin		lin		320	132	
	JZ	6,313,608	11/6/	/01 Varghese et al.		ese et al.		32	132 .	
	KA	6,316,914	11/13	/01	Bertn	ess		320	134	
	KB	5,435,185	7/25/	95	Eagan			73	587	
	KC	5,445,026	8/29/	95	Eagan			73	591	
	KD	4,667,143	5/19/	87	Coope	r et al.		320	22	
	KE	4,847,547	7/11/	89	Eng,	Jr. et al.		320	35	
	KF	5,574,355	11/12	/96	McSha	ne et al.		320	39	·
	KG	4,663,580	5/5/8	7.	Wortm	an		320	35	
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	:	Document	No.	D	ate	Country	,	Class	Sub Class	Translation Yes No
-	KH	WO 99/23738		5/14	1/99	WIPO				Х
	KI	WO 94/05069		3/3/	/94	PCT				Х
		OTHER ART (Includ	ing A	uthor,	Title, Date, F	Perti	nent Page	s, Etc.)	
	KJ	National Sem March 1969.	icondu	ctor	Corpora	ation, "High Q	Notc	h Filter"	, 3/69, L	inear Brief 5,
	KK	Burr-Brown C 071, 1994.	orpora	ion,	"Desid	gn A 60 Hz Noto	h Fi	lter with	the UAF4	2", 1/94, AB-
	KL	National Sem 12/94, RRD-B				ation, "LMF90-4 1994.	th-Or	der Ellip	tic Notch	Filter",
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Filing Date March 18, 2004	LI	APPLICAN	IT'S INFO	RMATION	5 FOR	App	licant:		
Name						Clark E. Smith et al.			· -
Document Document No. Date Name Class Class Filing Date If Appropriate RM 6,323,650 11/27/01 Bertness et al. 324 426						Fil	ing Date		Group Art:
Examiner Initial Document No. Date Name Class Class Filing Date If Appropriate								04	
Initial No. Date Name Class Class If Appropriate				U.S. PA	ATENT DOCUMENTS				· · · · · · · · · · · · · · · · · · ·
KN 6,329,793 12/11/01 Bertness et al. 320 132 KO 6,331,762 12/18/01 Bertness 320 134 KP 6,332,113 12/18/01 Bertness 702 63 KQ 4,297,639 10/27/81 Branham 324 429 KR 5,653,659 8/5/97 Kunibe et al. 477 111 KS 6,161,640 12/19/00 Yamaguchi 180 65.8 KT 4,351,405 6/28/82 Fields et al. 180 65 KU 6,359,441 3/16/02 Bertness 324 426 KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB FOREIGN PATENT DOCUMENTS			Date		Name		Class		
KO 6,331,762 12/18/01 Bertness 320 134 KP 6,332,113 12/18/01 Bertness 702 63 KQ 4,297,639 10/27/81 Branham 324 429 KR 5,653,659 8/5/97 Kunibe et al. 477 111 KS 6,161,640 12/19/00 Yamaguchi 180 65.8 KT 4,351,405 6/28/82 Fields et al. 180 65 KU 6,359,441 3/16/02 Bertness 324 426 KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 FOREIGN PATENT DOCUMENTS	KM	6,323,650	11/27/0	1 Bertn	ess et al.		324	426	
KP 6,332,113 12/18/01 Bertness 702 63 KQ 4,297,639 10/27/81 Branham 324 429 KR 5,653,659 8/5/97 Kunibe et al. 477 111 KS 6,161,640 12/19/00 Yamaguchi 180 65.8 KT 4,351,405 6/28/82 Fields et al. 180 65 KU 6,359,441 3/16/02 Bertness 324 426 KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB TOMANDAL PATENT DOCUMENTS Sub Translation	KN	6,329,793	12/11/0	1 Bertn	ess et al.		320	132	
KQ 4,297,639 10/27/81 Branham 324 429 KR 5,653,659 8/5/97 Kunibe et al. 477 111 KS 6,161,640 12/19/00 Yamaguchi 180 65.8 KT 4,351,405 6/28/82 Fields et al. 180 65 KU 6,359,441 3/16/02 Bertness 324 426 KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB FOREIGN PATENT DOCUMENTS	КО	6,331,762	12/18/0	1 Bertn	ess		320	134	
KR 5,653,659 8/5/97 Kunibe et al. 477 111 KS 6,161,640 12/19/00 Yamaguchi 180 65.8 KT 4,351,405 6/28/82 Fields et al. 180 65 KU 6,359,441 3/16/02 Bertness 324 426 KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB FOREIGN PATENT DOCUMENTS	KP	6,332,113	12/18/0	1 Bertn	Bertness		702	63	
KS 6,161,640 12/19/00 Yamaguchi 180 65.8 KT 4,351,405 6/28/82 Fields et al. 180 65 KU 6,359,441 3/16/02 Bertness 324 426 KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB FOREIGN PATENT DOCUMENTS	KQ	4,297,639	10/27/8	1 Branh	Branham		324	429	
KT	KR	5,653,659	8/5/97	Kunib	Kunibe et al.		477	111	
KU 6,359,441 3/16/02 Bertness 324 426 KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB FOREIGN PATENT DOCUMENTS	KS	6,161,640	12/19/0	0 Yamag	Yamaguchi		180	65.8	
KV 4,047,091 9/1997 Hutchines et al. 363 59 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB FOREIGN PATENT DOCUMENTS	KT	4,351,405	6/28/82	Field	s et al.		180	65	
KV 4,047,091 9/1997 Hutchines et al. 363 39 KW 5,653,659 8/1997 Kunibe et al. 477 111 KX 5,637,978 6/1997 Kellett et al. 320 2 KY 5,095,223 3/1992 Thomas 307 110 KZ 5,194,799 3/1993 Tomantschger 320 2 LA 5,754,417 5/1998 Nicollini 363 60 LB FOREIGN PATENT DOCUMENTS	KU	6,359,441	3/16/02	Bertn	ess		324	426	
KX 5,637,978 6/1997 Kellett et al. 320 2	KV	4,047,091	9/1997	Hutch	ines et al.		363	59	
KY 5,095,223 3/1992 Thomas 307 110	KW	5,653,659	8/1997	Kunib	e et al.		477	111	
KZ 5,194,799 3/1993 Tomantschger 320 2	KX	5,637,978	6/1997	Kelle	tt et al.		320	2	
LA	KY	5,095,223	3/1992	Thoma	s		307	110	
TOREIGN PATENT DOCUMENTS Sub Translation	KZ	5,194,799	3/1993	Toman	tschger		320	2	
FOREIGN PATENT DOCUMENTS Sub Translation	LA	5,754,417	5/1998	Nicol	lini		363	60	
Sub Translation	LB								
				FOREIGN	PATENT DOCUMENT	rs			
		Document	No.	Date	Country		Class		

	Document No.	Date	Country	Class	Sub Class	Translation Yes No					
LC											
LD											
	OTHER ART (Include	ding Author,	Title, Date, Pertine	nt Pages	, Etc.)						
LE		"Alligator Clips with Wire Penetrators" J.S. Popper, Inc. product information, downloaded from http://www.jspopper.com/, undated									
LF	LF "#12: LM78S40 Simple Switcher DC to DC Converter", ITM e-Catalog, downloaded from http://www.pcbcafe.com, undated										
LG	"Simple DC-DC Convidownloaded from ht	verts Allows	Use of Single Batter exp.com/t_dc-dc.htm,	y", Electundated	ronix Ex	kpress,					

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					Sheet 15 of 2
FORM PTO-14	49	-		ty. Docket No.: 82.12-0180	Serial No.: 10/804,402
LI	APPLICAN	S AND PUBLICATIONS FOR T'S INFORMATION SURE STATEMENT	Ap	plicant:	
			Cl	ark E. Smith et a	1.
		•	Fi	ling Date	Group Art:
			Ma	rch 18, 2004	
		U.S. PATENT DOC	CUMENTS		
Evaminar	Document			Sub	Filing Date

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
LH	5,818,234	10/1998	McKinnon	324	433	
LI	6,140,797	10/2000	Dunn	320	105	
LJ	6,181,545	1/2001	Amatucci et al.	361	502	
LK	6,346,795	2/2002	Haraguchi et al.	320	136	
LM	6,347,958	2/2002	Tsai	439	488	
LN	6,351,102	2/26/02	Troy	320	139	
LO	6,359,441	3/19/02	Bertness	324	426	
LP	6,363,303	3/26/02	Bertness	701	29	
LQ	5,037,778	8/6/91	Stark et al.	437	216	
LR	6,144,185	11/7/00	Dougherty et al.	320	132	_
LS	5,711,648	1/27/98	Hammerslag	414	786	
LT	5,927,938	7/27/99	Hammerslag	414	809	
LU	5,951,229	9/14/99	Hammerslag	414	398	
LV	5,961,561	10/5/99	Wakefield, II	701	29	
LW	5,961,604	10/5/99	Anderson et al.	709	229	
LX	6,236,332	5/22/01	Conkright et al.	340	825.06	
LY	6,351,102	2/26/02	Troy	320	139	
LZ	5,821,757	10/13/98	Alvarez et al.	324	434	
MA	6,167,349	12/26/00	Alvarez	702	63	

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No			
MB									
	OTHER ART (Includ	ling Author,	Title, Date, Perti	nent Pages	, Etc.)				
MC "DC-DC Converter Basics", <u>Power Designers</u> , downloaded from http://www.powederdesigners.com/InforWeb.design_center/articles/DC-DC/converter.shtm, undated									
MD									

DATE CONSIDERED: EXAMINER:

FORM PTO-1449	Atty. Docket No.: C382.12-0180	Serial No.: 10/804,402
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant:	
	Clark E. Smith et	al.
	Filing Date	Group Art:
	March 18, 2004	

			U.S. PATENT DOCUMENTS		T	
Examiner Initial			Name	Class	Sub Class	Filing Date If Appropriate
ME	4,665,370	5/1987	Holland	324	429	
MF	4,361,809	11/1982	Bil et al.	324	426	
MG	6,392,414	5/21/02	Bertness	324	429	
МН	6,417,669	7/9/02	Champlin	324	426	
MI	6,424,158	7/23/02	Klang	324	433	
MJ	6,441,585	8/17/02	Bertness	320	132	
MK	6,445,158	9/3/02	Bertness et al.	320	104	
ML	6,384,608	5/7/02	Namaky	324	425	
MM	6,388,448	5/14/02	Cervas	324	426	
MN	6,307,349	10/23/01	Koenck et al.	320	112	
МО	6,411,098	6/25/02	Laletin	324	436	
MP	6,456,045	9/24/02	Troy et al.	320	139	
MQ	6,466,025	10/15/02	Klang	324	429	
MR	6,466,026	10/15/02	Champlin	324	430	
MS	4,564,798	1/14/86	Young	320	6	
MT	5,563,496	10/8/96	McClure	320	48	
MU	5,796,239	8/18/98	van Phuoc et al.	320	107	

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
MV	RU 2089015-C1	8/27/97	Russia	-		Abstract Only
MW	09061505	3/7/97	Japan			Abstract Only
MX	10056744	2/24/98	Japan			Abstract Only

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MY	"Notification of T Declaration", PCT/	Transmittal of US02/29461.	The	International	Search	Report	or	the
MZ	"Notification of T Declaration", PCT/	Transmittal of US03/07546.	The	International	Search	Report	or	the

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Sheet 17 of 21 Serial No.: FORM PTO-1449 Atty. Docket No.: 10/804,402 C382.12-0180 Applicant: LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT Clark E. Smith et al. Filing Date Group Art: March 18, 2004 U.S. PATENT DOCUMENTS Filing Date Document No. Sub Examiner Class If Appropriate Class Initial Date Name Ueno 364 550 4,888,716 12/19/89 NA 320 6,495,990 B2 12/17/02 Champlin 132 NB 320 14 NC 4,385,269 5/24/83 Aspinwall et al. 8/11/87 Radomski 320 17 ND 4,686,442 702 63 5/9/00 Joyce NE 6,061,638 324 426 6,359,442 3/19/02 Henningson et al. NF 7/30/96 Dunstan 320 2 NG 5,541,489 324 430 NH 6,424,157 7/23/02 Gollomp et al. 324 433 NT 6,534,993 3/18/03 Bertness 439 762 4/8/03 Palmisano et al. N.T 6,544,078 4/29/03 Bertness 324 426 NK 6,556,019 324 426 NL6,566,883 5/20/03 Vonderhaar et al. 324 426 7/1/03 Bertness et al. NM 6,586,941 320 104 NN 6,597,150 7/22/03 Bertness et al. 324 426 11/21/02 Bertness 2002/0171428 NO 701 29 7/17/01 NP 6,263,268 Nathanson FOREIGN PATENT DOCUMENTS Sub Translation Class Class Yes No Country Document No. Date 11/9/00 WIPO WO 00/67359 NQ 7/19/01 Χ NR WO 01/51947 WIPO 2/5/98 Χ NS WO 98/04910 WIPO NTWO 00/62049 10/19/00 WIPO Х NU NV OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) "Notification of Transmittal of The International Search Report or the NW Declaration", PCT/US03/06577.

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							ark E. Smi	th et al.	
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			U.S	. P2	ATENT DOCUMENTS	-			
Examiner Initial	Document No.		Date		Name		Class	Sub Class	Filing Date If Appropriate
OA	5,410,754	4/1	995	Klo	otzbach et al.	· -	370	85.13	
ОВ	5,654,623	8/1	997	Shi	iga et al.		320	48	
ос	6,055,468	4/2	000	Kan	nan et al.		701	29	
OD	2003/0025481	2/2	003	Ber	rtness		320	155	
OE	5,313,152	5/1	994	Woz	zniak et al.		320	118	
OF	2003/0184306	10/	2003	Bei	ctness et al.		324	426	
OG	2004/0000891	1/2	004	Rai	ichle et al.		320	107	
ОН	3,750,011	7/1	973	Kre	eps		324	29.5	
OI	5,159,272	10/	1992	Rac	o et al.		324	429	
OJ	5,325,041	6/1	994	Bri	iggs		320	44	·
OK	6,526,361	2/2	003	Jones et al.			702	63	
OL	6,667,624	12/	2003	Rai	ichle et al.		324	522	
OM	2002/0010558	1/2	4/02	Ber	tness et al.		702	63	
ON	2002/0176010	11/	28/02	Wa]	llach et al.		348	229.1	
00	3,652,341	3/2	8/1972	Ha]	lsall et al.		136	176	
OP	5,747,967	5/5	/1998		ljadi et al. PATENT DOCUMENT	n.C	320	39	
			FORE.	IGN	PATENT DOCUMENT				
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OQ	JP 11103503 A		4/1999		Japan				X(Abstract)
OR	WO 01/59443		2/9/01		WIPO .				X
os	GB 2 246 916 A	1	10/8/9	0	Great Britian				
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Examiner Initial	Document No.	D.	ate		Name		Class	Sub Class	Filing Date If Appropriate	
OA	6,628,011	9/30	/03	Dro	ppo et al.		307	43		
OB	5,780,980	7/14	/98	Nai	.to		318	139		
ОС	5,412,308	5/2/	95	Bro	wn		323	267		
OD	6,222,342	4/24	/01	Egg	ert et al.		320	105		
OE	6,679,212	1/20	/04	Kel	ling		123	179.28		
OF	5,850,113	12/1	5/98	Wei	mer et al.		307	125		
OG	6,242,887	6/5/	01	Bur	ke		320	104		
OH	6,238,253	5/29	/01	Qua	lls		439	759		
OI	4,056,764	11/1	/77	End	lo et al.		320	3		
OJ	6,005,759	12/2	1/99	Har	t et al.		361	66		
OK	6,064,372	5/16	/0 <u>0</u>	Kah	koska		345	173		
OL	5,323,337	6/21	/94	Wil	son et al.		364	574		
OM	5,978,805	11/2	/99	Car	son		707	10		
ON	6,600,815	7/29	/03	Wal	ding		379	93.07		
00	4,933,845	6/12	/90	Hay	es		364	200		
OP	6,618,644	9/9/		Bea			700	231		
			FORE	IGN 1	PATENT DOCUMENT	rs				
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	OA	5,982,138	11/	9/99	Kri	.eger		3	20	105	
	ОВ	4,620,767	11/	4/86	Woo	olf		3	39	255	
	ос	4,934,957	6/1	9/90	Bel	lusci		4	39	504	
	OD ·	5,772,468	6/3	0/98	Kow	alski et al.		4	39	506	
	OE	5,108,320	4/2	8/92	Kin	ber		4	39	883	
	OF	5,453,027	9/2	6/95	Bue	ell et al.		4	39	433	
	OG	5,865,638	2/2	/99	Tra	fton		4	39	288	
	ОН	3,796,124	3/1:	2/74	Cro	sa			35	36	
	OI	4,280,457	7/2	8/81	Blo	xham		1	23	198	
	OJ	4,160,916	7/10	0/79	Pap	oasideris		3	07	10	
	ок	6,356,042	3/1:	2/02	Kah	lon et al.		3	18	138	
	OL	6,259,170	7/1	0/01	Lin	oge et al.		3	07	10.8	
	OM	6,081,109	6/2	7/00	Sey	mour et al.		3	24	127	
	ON	6,031,368	2/2	9/00	Kli	ppel et al.		3	24	133	
	00	6,211,651	4/3	/01	Nem	noto		3	20	133	
	OP	6,046,514	4/4			illard et al.			07	7 7	
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	March 18, 2004	

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OA	6,531,848	3/11/03	Chitsazan et al.	320	153	
ОВ	4,023,882	5/17/77	Pettersson	339	96	
ос	2,000,665	5/7/35	L.P. Neal	173	324	
OD	6,158,000	12/5/00	Collins	713	1	
OE	5,745,044	4/28/98	Hyatt, Jr. et al.	340	825.31	
OF	5,578,915	11/26/96	Crouch, Jr. et al.	320	48	
OG	5,592,094	1/7/97	Ichikawa	324	427	
ОН	6,275,008	8/14/01	Arai et al.	320	132	
OI	5,872,453	2/15/99	Shimoyama et al.	324	431	
OJ	5,321,627	6/14/94	Reher	364	483	
OK	4,949,046	8/14/90	Seyfang	324	427	
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